

Work Order ID 75812

75812

Page 1

October-31-11 12:40:47 PM

Item ID: D205-778-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Comfort Seat, LH/RH **2x**
 Start Date: 31/10/2011 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 14/11/2011 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: M.C.J Date: 11/10/31 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| D3800 | B | | | | | | | | |
| DSI 9508 | A | | | | | | | | |
| IIN D205-778 | Rev B | | | | | | | | |
| 100 | DOCUMENT CONTROL | 0.00 | | | | | | | |
| *100* | | | | | | | | | |
| DC | Memo | 0.00 | | | | | | | |
| Document Control | Photocopy bluefile & type labels per PPP D205-778-011 CHG 003 | | | | | | | | |
| | | | | | | | | | |
| 110 | Pick Kit | 0.00 | | | | | | | |
| *110* | | | | | | | | | |
| Packaging | Memo | 0.00 | | | | | | | |
| Packaging | | | | | | | | | |

Handwritten: M.C.J 12-3-9 (2)

Handwritten: 12/3/11 (2) [Stamp]

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Work Order ID 75812

October-31-11 12:40:47 PM

75812

Page 2

Item ID: D205-778-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Comfort Seat, LH/RH

Start Date: 31/10/2011 Start Qty: 1.00

1

Cust Item ID:

Required Date: 14/11/2011 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

120 QC4- 100% Inspect kits for completeness 0.00

120

QC

Memo

Quality Control

0.00

8/12/03/09

(x2)

130

130

Packaging

Packaging

Memo

Packaging

Identify and pack for shipping as per PPP D205-778-101

Location: SPPPP Rev: D

0.00

0.00

12/13/09

140

140

QC

QC21- Final Inspection - Work Order Release

Memo

Quality Control

0.00

0.00

MLJ 12/03/09

MLJ 12/03/09
(2)

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

October-31-11 12:40:51 PM

Page 1

75812

D205-778-011

Required Date: 14/11/2011

Required Qty: 1.00

IPP Rev:B as

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|--|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|-----------------|---------------|----------------|--------|
| AN960JD6L *AN960.ID6I* Washer | | Purchased | No | | | 110 | Each | 830.0000 | 16 | 16 | | | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | <u>Loc Code</u> | | | |
| | | | | ST344 | | | 830 | | | | | | |
| | | | | 5519 | | | 830 | | | | | | |
| BSP-42 *BSP-42* Rivet | | Purchased | No | | | 110 | Each | 88.0000 | 8 | 8 | | | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | <u>Loc Code</u> | | | |
| | | | | ST284 | | | 88 | | | | | | |
| | | | | 114598 | | | 88 | | | | | | |
| D3752-1 *D3752-1* Seat Frame | | Manufactured | No | | | 110 | Each | 3.0000 | 1 | 1 | | | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | <u>Loc Code</u> | | | |
| | | | | ST252A | | | 3 | | | | | | |
| | | | | 73076 | | | 3 | | | | | | |
| D3755-041 *D3755-041* Seat Cushion | | Manufactured | No | | | 110 | Each | 7.0000 | 1 | 1 | | | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | <u>Loc Code</u> | | | |
| | | | | ST251A | | | 5 | | | | | | |
| | | | | 73157 | | | 5 | | | | | | |
| | | | | ST252A | | | 2 | | | | | | |
| | | | | 71183 | | | 2 | | | | | | |

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

October-31-11 12:40:51 PM

Work Order ID: 75812

75812

Parent Item: D205-778-011

D205-778-011

Parent Item Name: Comfort Seat, LH/RH

Start Date: 31/10/2011

Required Date: 14/11/2011

Start Qty: 1.00

Required Qty: 1.00

D3756-041

Manufactured No

110 Each

7.0000

1

①

D3756-041

Cushion

**

B80373

SR

Location

Loc Qty

Loc Code

ST252A

7

71184

2

73158

5

D3758-041

Manufactured No

110 Each

21.0000

2

2

D3758-041

Clamp

**

SR

SR

Location

Loc Qty

Loc Code

ST081

21

58262

1

73159

20

D3777-041

Manufactured No

110 Each

18.0000

2

2

D3777-041

Clamp

**

SR

SR

Location

Loc Qty

Loc Code

ST087

18

73160

18

D3800-3-200

Manufactured No

110 f

120.5000

2

2.105263

D3800-3-200

Hook and Loop Strip (2" Hard)

**

2

2

Location

Loc Qty

Loc Code

ST083

120.5

56393

60.5

60044

60

1- Cut to length as per dwg (4x 6.00")

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

October-31-11 12:40:51 PM

Work Order ID: 75812

75812

Parent Item: D205-778-011

D205-778-011

Parent Item Name: Comfort Seat, LH/RH

Start Date: 31/10/2011

Required Date: 14/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN525-10R8

Purchased

No

110

Each

121.0000

8

AN525-10R8

Screw

**

Location

Loc Qty

Loc Code

ST325

121

114494

21

119307

100

AN970-3

Purchased

No

110

Each

44.0000

8

AN970-3

Washers

**

Location

Loc Qty

Loc Code

ST349

44

117395

44

AN960JD10

NAS1149D0363J

Purchased

No

110

Each

0.0000

8

AN960JD10

Washer

**

MS21042L3

Purchased

No

100

Each

9,816.0000

8

MS21042L3

Nut

**

Location

Loc Qty

Loc Code

ST300

816

117441

16

117885

42

118451

90

118927

668

ST516

6000

119017

6000

ST518

3000

119075

3000

Dart Aerospace Ltd

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the modification kits.

| Installation | Weight | LATERAL | | LONGITUDINAL | |
|---------------------------|---------|----------|------------|--------------|-----------|
| | | Arm | Moment | Arm | Moment |
| D205-778-011 | 13.0 lb | ±22.0 in | ±286 in-lb | 47.0 in | 611 in-lb |
| Comfort Seat Kit, LH / RH | 5.9 kg | ±0.56 m | ±3.3 m-kg | 1.19 m | 7.0 m-kg |

5.0 PARTS LIST

| Qty -011 | Part Number | Description |
|-------------|-----------------|---------------------------------|
| X | D205-778-011 | COMFORT SEAT KIT (FITS LH & RH) |
| 1 | D3752-1 | SEAT FRAME |
| 1 | D3755-041 | CUSHION |
| 1 | D3756-041 | CUSHION |
| 2 | D3758-041 | CLAMP ASSEMBLY |
| *2 | D3758-1 | CLAMP |
| *2 | D2182B028 | RUBBER CUSHION |
| 2 | D3777-041 | CLAMP ASSEMBLY |
| *2 | D3777-1 | CLAMP |
| *2 | D2182B013 | RUBBER CUSHION |
| 4 | D3800-3-200-060 | HOOK STRIP |
| 8 | AN525-10R8 | SCREW |
| 8 | AN970-3 | WASHER |
| 8 | AN960JD10 | WASHER |
| 8 | MS21042L3 | NUT (OR MS21042-3) |

* REFERENCE ONLY. PARTS ARE INCLUDED IN ASSEMBLY ABOVE.

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-778 REV. B
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-778 REV. 1

REF TCCA STC: SH08-37
REF FAA STC: SR02704NY
REF EASA STC: EASA.IM.R.S.01518 **REFERENCE ONLY**

PURPOSE:

To provide instructions to allow the hook strip (ie. velcro) on the D3752-1 Seat Frame to be fastened with rivets.

CHANGE:

D205-778-011 Comfort Seat Kits at CHG 002 have rivets and washers that may be installed to fully secure the D3800-3-200-060 Hook Strip to the D3752-1 Seat Frame. The parts list of Installation Instructions IIN-D205-778 and Instructions for Continued Airworthiness ICA-D205-778 is amended as shown below. Installation of the rivets is optional.

PARTS LIST

| QTY -011 | Part Number | Description |
|-------------|---------------|-----------------------------|
| X | D205-778-011 | Comfort Seat Kit |
| 8 | BSP-42 | Rivet (Add) |
| 16 | NAS1149DN616J | Washer (or AN960JD6L) (Add) |

INSTALLATION INSTRUCTIONS

Install the BSP-42 rivets as detailed below, see Figure 1 of this service instruction as reference:

- 1) Ensure location of D3800-3-200-060 Hook Strip lines up with loop strip on seat cushions.
- 2) Drill D3752-1 Seat Frame using 9/64" (Ø0.141) drill in appropriate locations: ensure rivet location will not interfere (contact) with the OEM metal seat frame. Deburr hole.
- 3) Install each BSP-42 rivet with qty(2) NAS1149DN616J washers (one on either side of the plastic seat frame). It is acceptable to substitute longer/shorter BSP rivets or thicker NAS1149DN632J washers to ensure proper fit.

UPGRADE KIT

For D205-778-011 Comfort Seat Kits at CHG 001, the DSI-9508-011 Rivet Kit is available from Dart:

| QTY -011 | Part Number | Description |
|-------------|---------------|-----------------------|
| X | DSI-9508-011 | Rivet Kit |
| 8 | BSP-42 | Rivet |
| 16 | NAS1149DN616J | Washer (or AN960JD6L) |

| | |
|--|---|
| CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01 | |
| APPROVED | |
| BY: |  |
| D. SHEPHERD (DE # 02) | |
| DATE: | 10.03.02 |
| CERT. NO.: | SH08-37 |
| ISSUE NO.: | 1 |

| | | | |
|------------|---|--|--------------|
| A | NEW ISSUE | CP | 10.03.02 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN |  | DART AEROSPACE LTD | |
| DRAWN |  | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED |  | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9508 | SHEET 1 OF 2 |
| APPROVED |  | TITLE | SCALE |
| DE APPR. |  | RIVET KIT | NTS |
| DATE | 10.03.02 | COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |